REMARKS

Claims 1-30 are all the claims pending in the application.

Claim Rejections - 35 USC § 102

In the Office Action, the Examiner withdraws his previous rejections, and now relies on

newly cited reference Sada (US 5,885,690) in rejecting claims 1-30 under 35 USC §102.

However, Applicants respectfully submit that the Examiner's rejections are unfounded.

In particular, in rejecting claims 1-6, including independent claims 1-3, the Examiner refers to

col. 3, lines 33-41, of Sada where it is described as follows.

> Referring to FIGS. 1A, 1B and 2, the maximum height R_y of a roughness profile
> R extracted from the rolling contact surface 11a is 1 to 3µm, and the ratio R_{pk}/R_y
> of the reduced peak height R_{pk} to the maximum height R_y is set to not more than
> 0.1 and more preferably, not more than 0.05. Further, the ratio of the open area of
> the very small recesses to the whole area of the rolling contact surface 11a, that is,
> the area ratio is set to 5 to 20% and more particularly, 5 to 10%. As described
> later, the inventors of the present application....

Based on this disclosure of Sada, the Examiner states, for example with regard to claim

1, that Rpk=Ry - depth = 2.22 micrometers -2 micrometers = 0.22 micrometers. *See* Office

Action at page 2. Although the figures mentioned by the Examiner meets the condition taught

by Sada, i.e., Rpk/Ry = 0.22/2.22 ≤0.1, it is hardly understandable as to how this relates to the

claimed invention.

Further, nowhere in the disclosure of Sada is there a definition of Rpk=Ry - depth.

Applicants believe that the Examiner is misunderstanding the parameter Rpk. That is, the

reduced peak height Rpk is defined in the ISO standard as the mean height of the peaks

protruding from the roughness core profile (see, e.g.,

http://www.universalmeasurement.com/MahrFederalFinish.pdf, copies of a front page and page 16 of

which are attached).

This reduced peak height Rpk does not correspond to any of the parameters recited in the claims. Also, the maximum height Ry itself is not any of the parameters recited in the claims either.

In view of the foregoing, it is respectfully submitted that the Sada reference does not anticipate, or render obvious, the claimed invention.

Thus, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

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WASHINGTON DC SUGHRUE/265550
65565
CUSTOMER NUMBER

Date: August 6, 2010

3

Perthometer.
Surface Texture Parameters

New Standards
DIN EN ISO / ASME

R_k, R_{pk}, R_{vk}, M_{r1}, M_{r2}
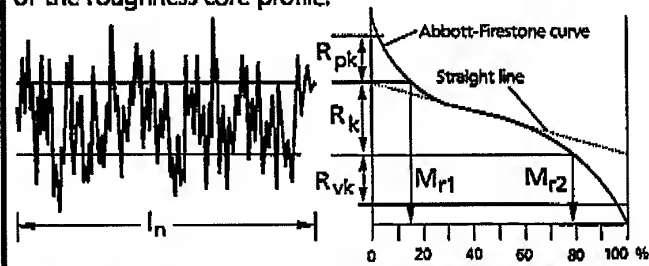
DIN EN ISO 13565-1 and -2

The roughness profile as per 13565-1 is generated by a special filtering technique minimizing profile distortions due to deep valleys in plateau profiles. A straight line divides the Abbott-Firestone curve into three areas from which the parameters are then computed as per 13565-2:

Core roughness depth R_k is the depth of the roughness core profile.

Reduced peak height R_{pk} is the mean height of the peaks protruding from the roughness core profile.

Reduced valley depth R_{vk} is the mean depth of the valleys protruding from the roughness core profile.

M_{r1} and M_{r2} are the smallest and the highest material ratios of the roughness core profile.

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